

FORM PTO-1449(Modified)		ATTY. DOCKET NO. I0254/7008	SERIAL NO. 08/950,542
LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT		APPLICANT Bachovchin, et al.	
		FILING DATE October 15, 1997	GROUP 100 1654

DEC 24 1997

JCS

U.S. PATENT DOCUMENTS

Ref. No.	Document No.	Date	Name	Class	Sub Class	FILING DATE If Appropriate
A1	4,318,904	03/09/82	Shaw et al.	424	177	04/25/80
A2	4,443,609	04/17/84	Oude Alink et al.	548	111	05/19/80
A3	4,499,082	02/12/85	Shenvi et al.	514	2	12/05/83
A4	4,582,821	04/15/86	Kettner et al.	514	18	11/16/83
A5	4,636,492	01/13/87	Kettner et al.	514	18	08/29/84
A6	4,644,055	02/17/87	Kettner et al.	530	330	12/17/84
A7	4,652,552	03/24/87	Kettner et al.	514	18	09/10/84
A8	4,935,493	06/19/90	Bachovchin et al.	530	331	10/06/87
A9	4,963,655	10/16/90	Kinder et al.	530	531	05/27/88
A10	5,093,477	03/03/92	Mölling et al.	530	328	12/13/89-C
A11	5,187,157	02/16/93	Kettner et al.	514	18	04/06/88-CIP
A12	5,215,926	06/01/93	Etchells, III et al.	436	501	12/17/90-CIP
A13	5,242,904	09/07/93	Kettner et al.	514	18	03/09/92-CIP
A14	5,250,720	10/05/93	Kettner et al.	558	288	03/09/92-CIP
A15	5,288,707	02/22/94	Metternich	514	19	01/29/93 C
A16	5,296,604	03/22/94	Hanko et al.	546	169	04/15/92
A17	5,378,624	01/03/95	Berenson et al.	435	239	04/23/90
A18	5,384,410	01/24/95	Kettner et al.	548	405	03/24/93
A19	5,444,049	08/22/95	de Nanteuil et al.	514	18	02/22/94-C
A20	5,462,928	10/31/95	Bachovchin et al.	514	19	07/15/93
A21	5,506,130	04/09/96	Peterson et al.	435	240.1	03/30/95-CIP
A22	5,527,923	06/18/96	Klingler et al.	548	570	05/04/95
A23	5,543,396	08/06/96	Powers et al.	514	19	04/28/94
A24	5,554,728	09/10/96	Basava et al.	530	327	07/23/91
A25	5,635,386	06/03/97	Palsson et al.	435	372	11/02/94-CIP
A26	5,635,387	06/03/97	Fei et al.	435	378	04/03/95-CIP
A27	5,646,043	07/08/97	Emerson et al.	435	373	03/10/95-CIP

EXAMINER	<i>David Luton</i>	DATE CONSIDERED	<i>3/25/98</i>
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EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered.

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FOREIGN PATENT DOCUMENTS

Country & Doc. No. (11)	Pub Date (43)		Class	Sub Class	Translation
					Yes No
B1 DD158109	12/29/82	Fischer et al.			X
B2 DD270382A1	07/26/89	Neubert et al.			
B3 DD296075A5	11/21/91	Neubert et al.			
B4 EP 0356223A2	02/28/90	Desolms et al.			
B5 EP 0371467A2	06/06/90	Kleemann et al.			
B6 EP 0420913B1	11/15/95	Zimmerman et al.			
B7 EP 0471651A2	02/19/92	Metternich			
B8 EP 0481311A2	04/22/92	Dorsch, et al.			X
B9 EP 0615978A1	09/21/94	de Nanteuil et al.			X
B10 EP 0688788A1	12/27/95	de Nanteuil et al.			X
B11 WO89/03223	04/20/89	Bachovchin et al.			
B12 WO91/16339	10/31/91	Bachovchin et al.			
B13 WO92/12140	07/23/92	Powers			
B14 WO92/17490	10/15/92	Hester et al.			
B15 WO93/02057	02/04/93	Carr et al.			
B16 WO93/05011	03/18/93	Cottens et al.			
B17 WO93/08259	04/29/93	Bachovchin et al.			
B18 WO93/10127	05/27/93	Snow et al.			
B19 WO93/16102	08/19/93	Morimoto et al.			
B20 WO94/03055	02/17/94	Takacs, et al.			
B21 WO94/09132	04/28/94	Morimoto et al.			
B22 WO94/20526	09/15/94	Cook et al.			
B23 WO94/28915	12/22/94	Hovanessian et al.			
B24 WO94/29335	12/22/94	Antonsson, et al.			
B25 WO95/11689	05/04/95	Bachovchin			
B26 WO95/15309	06/08/95	Jenkins et al.			
B27 WO95/12618	05/11/95	De Meester et al.			
B28 WO95/29190	11/02/95	Hovanessian et al.			
B29 WO95/34538	12/21/95	Augustyns et al.			
B30 WO96/40858	12/19/96	Armstrong et al.			
B31 WO96/40263	12/19/96	Berninger et al.			

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		FILING DATE October 15, 1997	GROUP 1011 1654



OTHER ART
(Including Author, Title, Date, Pertinent Pages, Publication, Etc.)

C1	Colowick, S., et al., "METHODS IN ENZYMOLOGY", Pp. 220-225
C2	Cordes, E., et al., "TRANSITION STATES FOR HYDROLYSIS OF ACETALS, KETALS GLYCOSIDES, AND GLYCOSYLAMINES", Chapter 11, Pp. 429-465
C3	Thompson, R., "USE OF PEPTIDE ALDEHYDES TO GENERATE TRANSITION-STATE ANALOGS OF ELASTASE", <i>Biochemistry</i> , (1973), 12:1:47-51
C4	Baugh, R., et al., "PROTEINASES AND TUMOR INVASION", (1980), 165:157-179
C5	Bodanszky, M., "PRINCIPLES OF PEPTIDE SYNTHESIS", Springer-Verlag, (1984), Volume 16
C6	Bodanszky, M., "THE PRACTICE OF PEPTIDE SYNTHESIS", Springer-Verlag, (1984), Volume 21
C7	Matteson, D., et al., "SYNTHESIS AND PROPERTIES OF PINANEDIOL α -AMIDO BORONIC ESTERS" <i>Organometallics</i> , (1984), 3:1284-1288.
C8	Powers, C., et al., "ELASTASE INHIBITORS FOR TREATMENT OF EMPHYSEMA - NHLBI WORKSHOP SUMMARY" <i>US Dept. of Health and Human Services</i> , (1985), 1097-1100
C9	Yoshimoto, T., et al., "COMPARISON OF INHIBITORY EFFECTS OF PROLINAL-CONTAINING PEPTIDE DERIVATES ON PROLYL ...", (1985), 98:975-979
C10	Kettner, C.A., et al., "KINETIC PROPERTIES OF THE BINDING OF ALPHA-LYTIC PROTEASE TO PEPTIDE BORONIC ACIDS", <i>Biochemistry</i> , (1988), 27:7682-7688.
C11	Tam, J.P., "SYNTHETIC PEPTIDE VACCINE DESIGN: SYNTHESIS AND PROPERTIES OF A HIGH-DENSITY MULTIPLE ANTIGENIC PEPTIDE SYSTEM", <i>Proc Natl Acad Sci U S A</i> , (1988), 85:5409-5413.
C12	Bailey, P.D., "AN INTRODUCTION TO PEPTIDE CHEMISTRY", Wiley Publishers, (1990), 1-81
C13	Kettner, C.A. and Shenvi, A.B., "PEPTIDE BORONIC ACID INHIBITORS OF TRYPSIN-LIKE PROTEASES THEIR
C14	Bachovchin, W.W., et al., "INHIBITION OF IGA1 PROTEINASES FROM NEISSERIA GONORRHOEAE AND HEMOPHILUS INFLUENZAE BY PEPTIDE PROLYL BORONIC ACIDS", <i>J Biol Chem</i> , (1990), 265: 3738-3743.

C15 DEC 24 1997 PATENT & TRADEMARK OFFICE	Kinder D.H., et al., "ANALOGUES OF CARBAMYL ASPARTATE AS INHIBITORS OF DIHYDROOROTASE: PREPARATION OF BORONIC ACID TRANSITION-STATE ANALOGUES AND A ZINC CHELATOR CARBAMYLHOMOCYSTEINE", <i>J Med Chem</i> , (1990), 33:819-823.			
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	Schon, E., et al., "DIPEPTIDYL PEPTIDASE IV IN THE IMMUNE SYSTEM", <i>Biol Chem Hoppe-Seyler</i> , (1991), 372:305-311.			
C17	Kubota, T., et al., "INVOLVEMENT OF DIPEPTIDYL PEPTIDASE IV IN AN IN VIVO IMMUNE RESPONSE", <i>Clin Exp Immunol</i> , (1992), 89:192-197.			
C19	Gutheil, W.G., et al., "SEPARATION OF L-PRO-DL-BOROPRO INTO ITS COMPONENT DIASTEREOMERS AND KINETIC ANALYSIS OF THEIR INHIBITION OF DIPEPTIDYL PEPTIDASE IV. A NEW METHOD FOR THE ANALYSIS OF SLOW, TIGHT-BINDING INHIBITION", <i>Biochemistry</i> , (1993), 32:8723-8731.			
C20	Kelly, T.A., et al., "IMMUNOSUPPRESSIVE BORONIC ACID DIPEPTIDES: CORRELATION BETWEEN CONFORMATION AND ACTIVITY", <i>J Am Chem Soc</i> , (1993), 115:12637-12638.			
C21	Songyang, Z., et al., "SH2 DOMAINS RECOGNIZE SPECIFIC PHOSPHOPEPTIDE SEQUENCES", <i>Cell</i> , (1993), 72:767-778.			
C22	Subramanyam, M., et al., "MECHANISM OF HIV-1 TAT INDUCED INHIBITION OF ANTIGEN-SPECIFIC T CELL RESPONSIVENESS", <i>J Immunol</i> , (1993), 150:2544-2553.			
C23	Demuth, H.U., et al., "DESIGN OF (OMEGA-N-(O-ACYL)HYDROXY AMID) AMINODICARBOXYLIC ACID PYRROLIDIDES AS POTENT INHIBITORS OF PROLINE-SPECIFIC PEPTIDASES", <i>FEBS Lett</i> , (1993), 320:23-27.			
C24	Janeway, C., et al., "IMMUNOBIOLOGY - THE IMMUNE SYSTEM IN HEALTH AND DISEASE", <i>Current Biology LTD</i> , (1994), Chapter 12, pp 1-35.			
C25	Brady, L., and Dodson, G., "REFLECTIONS ON A PEPTIDE", <i>Nature</i> , (1994), 368:692-693.			
C26	Nicola, N., et al., "GUIDEBOOK TO CYTOKINES AND THEIR RECEPTORS", <i>Sambrook and Tooze Publication</i> , (1994). Pp. 1-257			
Perstorp Biotech Company, "MOLECULAR BIOLOGY CATALOG", (1994)				
C28	Jameson, B.A., et al., "A RATIONALLY DESIGNED CD4 ANALOGUE INHIBITS EXPERIMENTAL ALLERGIC			
NEUTROPHIL ACTIVATION", <i>Science</i>, 265: 351-354				
CYTOKINE PATTERNS DURING THE PROGRESSION TO AIDS				
C30	Seed, B., "MAKING AGONISTS OF ANTAGONISTS", <i>Chemistry & Biology</i> , (1994), 1:125-129			

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	C32	Sudmeier, J.L., et al., "SOLUTION STRUCTURES OF ACTIVE AND INACTIVE FORMS OF THE DP IV (CD26) INHIBITOR PRO-BOROPRO DETERMINED BY NMR SPECTROSCOPY", <i>Biochemistry</i> , (1994), 33:12427-12438.
	C33	Kubota, T., et al., "DIPEPTIDYL PEPTIDASE IV (DP IV) ACTIVITY IN SERUM AND ON LYMPHOCYTES OF MRL/Mp- <i>lpr/lpr</i> MICE CORRELATES WITH DISEASE ONSET", <i>Clin Exp Immunol</i> , (1994), 96:292-296.
	C34	Snow, R.J., et al., "STUDIES ON PROLINE BORONIC ACID DIPEPTIDE INHIBITORS OF DIPEPTIDYL PEPTIDASE IV: IDENTIFICATION OF A CYCLIC SPECIES CONTAINING A B-N BOND", <i>J. Am. Chem Soc</i> , (1994), 116:10860-10869.
	C35	Günther, U.L., et al., "SOLUTION STRUCTURES OF THE DP IV (CD26) INHIBITOR Val-BoroPro DETERMINED BY NMR SPECTROSCOPY", <i>Magnetic Resonance in Chem</i> , (1995), 33:959-970.
	C36	Subramanyam, M., et al., "CD26, AT-CELL ACCESSORY MOLECULE INDUCTION OF ANTIGEN-SPECIFIC IMMUNE-SUPPRESSION BY INACTIVATION OF CD26: A CLUE TO THE AIDS PARADOX?", in <i>Dipeptidyl Peptidase IV(CD26) in Metabolism and Immune Response</i> , (1995), Ed. B. Fleischer: 155-162.
	C37	Schmitz T, et al., "POTENTIATION OF THE IMMUNE RESPONSE IN HIV-1+ INDIVIDUALS", <i>J Clin Invest</i> , (1996), 97:1545-1549.
	C38	Aguila, H.L., et al., "FROM STEM CELLS TO LYMPHOCYTES: BIOLOGY AND TRANSPLANTATION", <i>Immun Rev</i> , (1997), 157:13-40.
	C39	Dupont, B., "IMMUNOLOGY OF HEMATOPOIETIC STEM CELL TRANSPLANTATION: A BRIEF REVIEW OF ITS HISTORY", <i>Immun Rev</i> , (1997), 157:5-12.
	C40	Bodansky, M., "PEPTIDE CHEMISTRY, A PRACTICAL TEXTBOOK", <i>Springer-Verlag</i> , (1988) 1-9.
	C41	Boros, L.G., et al., "FLUOROOLEFIN PEPTIDE ISOSTERES-TOOLS FOR CONTROLLING PEPTIDE CONFORMATIONS", <i>Tetrahedron Letters</i> , (1994), 35:6033-6036.
	C42	Goodman, M., and Chorev, M., "ON THE CONCEPT OF LINEAR MODIFIED RETRO-PEPTIDE STRUCTURES", <i>Accounts of Chemical Research</i> , (1979), 12:1-7.
	C43	Guichard, G., et al., "PARTIALLY MODIFIED RETRO-INVERSO PSEUDOPEPTIDES AS NON-NATURAL LIGANDS FOR THE HUMAN CLASS I HISTOCOMPATIBILITY MOLECULE HLA-A2", <i>J Med Chem</i> , (1996), 39:2030-2039.
	C44	Jardetzky, T.S., et al., "THREE-DIMENSIONAL STRUCTURE OF A HUMAN CLASS II HISTOCOMPATIBILITY MOLECULE COMPLEXED WITH SUPERANTIGEN", <i>Nature</i> , (1994), 369:711-712.

CAPABLE OF ACTIVATING T CELLS

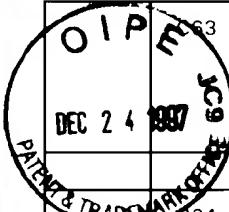
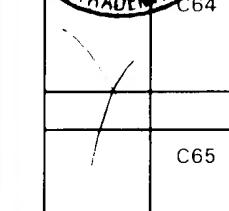
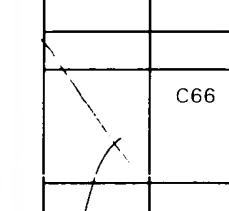
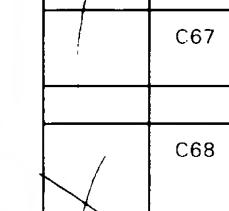
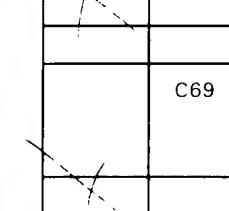
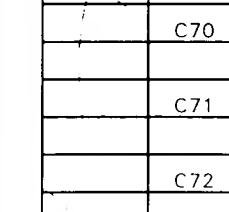
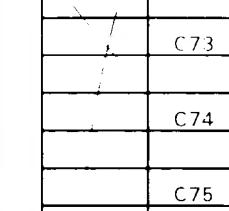
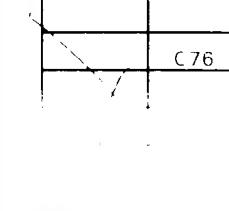
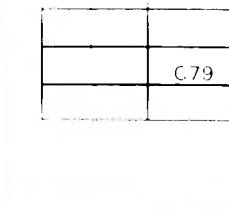
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	C47	Welch, J.T., and Lin J., "FLUOROOLEFIN CONTAINING DIPEPTIDE ISOTERES AS INHIBITORS OF DIPEPTIDYL Peptidase IV (CD26)", <i>Tetrahedron</i> , (1995), 52:291-304.
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		Kameoka, J., et al., "DIRECT ASSOCIATION OF ADENOSINE DEAMINASE WITH A T CELL ACTIVATION ANTIGEN, CD26", <i>Science</i> , (1993), 261:466-469. (Abstract)
	C50	Hegen, M., et al., "FUNCTION OF DIPEPTIDYL PEPTIDASE IV (CD26, TP103) IN TRANSFECTED HUMAN T CELLS", <i>Cell Immunol</i> , (1993), 146:249-260. (Abstract)
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	C52	Tanaka, T., et al., "THE COSTIMULATORY ACTIVITY OF THE CD26 ANTIGEN REQUIRES DIPEPTIDYL PEPTIDASE IV ENZYMATIC ACTIVITY", <i>Proc Natl Acad Sci U S A</i> , (1993), 90:4586-4590. (Abstract)
	C53	Tanaka, T., et al., "CLONING AND FUNCTIONAL EXPRESSION OF THE T CELL ACTIVATION ANTIGEN CD26", <i>J Immunol</i> , (1992), 149:481-486. (Abstract)
	C54	Scharpe, S., et al., "PURIFIED AND CELL-BOUND CD26: ENZYMATIC INHIBITION, ANTIBODY BINDING PROFILE, AND EXPRESSION ON T CELLS IN RELATION TO OTHER SURFACE MARKERS", <i>Verh K Acad Geneeskd Belg</i> , (1994), 56:537-559. (Abstract)
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	C56	Mittrucker, H.W., et al., "THE CYTOPLASMIC TAIL OF THE T CELL RECEPTOR ZETA CHAIN IS REQUIRED FOR SIGNALING VIA CD26", <i>Eur J Immunol</i> , (1995), 25:295-297. (Abstract)
	C57	Morimoto, C., et al., 1F7 "A Novel Cell Surface Molecule, Involved In Helper Function Of CD4 cells", <i>J. Of Immunol</i> , 143:34030-3439 (1989) and published erratum appears in <i>J. Immunology</i> 144 (5):2027 (Mar. 1990). Abstract.
	C58	Barton, R.W.J., et al., "Binding Of The T Cell Activation Monoclonal Antibody Tal To Dipeptidyl Peptidase IV", <i>J. Of Leukocyte Biology</i> 48:291-296 (1990). Abstract.
	C59	Bristol, L.A., et al., "Thymocyte Costimulating Antigen Is CD26 (Dipeptidyl-Peptidase IV). Co-stimulation Of Granulocyte, Macrophage, T Lineage Cell Proliferation Via CD26", <i>J. Of Immunol</i> , 149:367-372 (1992). Abstract
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	C64	Tanaka, T., et al., "Cloning And Functional Expression Of The T Cell Activation Antigen CD26", <i>J. Of Immunol Immunol.</i> 149: 481-486 (1992); published erratum appears in <i>J. Immunol.</i> 50(5): 2090 (Mar. 1993). Abstract.
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	C66	Schon, E., et al., "Dipeptidyl Peptidase IV In The Immune System. Effects of Specific Enzyme Inhibitors On On Activity Of Dipeptidyl Peptidase IV And Proliferation Of Human Lymphocytes", <i>Biological Chemistry Hoppe Seyler</i> 372:305-311 (1991). Abstract.
	C67	Schon, E., et al., "The Dipeptidyl Peptidase IV, A Membrane Enzyme Involved In The ProliferationLymphocytes", <i>Biomedica Biochimica Acta</i> 44 (1985). Abstract.
	C68	Schon, E., et al., "Dipeptidyl Peptidase IV In Human T Lymphocytes. An Approach To The Role Of A Membrane Peptidase In The Immune System", <i>Biomedica Biochimica Acta</i> 45:1523-1528 (1986) Abstract.
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	C70	Freeman, et al., "Clinical & Experimental Immunology" 88 (2): 275-279 (May 1992). Abstract.
	C71	Perry, et al., <i>Eur. J. Of Immunol.</i> 26 (1): 136-141 (January 1996). Abstract.
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	C74	Karges, et al., <i>Molecular Aspects Of Medicine</i> 16(2):29-213 (1995). Abstract.
	C75	Brenchley, et al., <i>Nephrology, Dialysis, Transplantation</i> 7 Supp.1 121 (1992). Abstract.
	C76	Kalluri, et al., <i>J. Of The American Society Of Nephrology</i> 6 (4):1178-1185 (October 1995). Abstract.
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EXAMINER	DATE CONSIDERED
<i>David Sutton</i>	<i>3/25/98</i>

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